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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/652,342	09/02/2003	Kenji Shimoyama	990342A	1627	
38834	7590 04/07/2004		EXAM	EXAMINER	
WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP			DIAZ, J	DIAZ, JOSE R	
SUITE 700	CTICUT AVENUE, NW	/	ART UNIT	ART UNIT PAPER NUMBER	
WASHINGTO	WASHINGTON, DC 20036				
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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No. Applicant(s)					
	10/652,342	KENJI SHIMOYAMA				
Office Action Summary	Examiner	Art Unit				
	José R Díaz	2815	pu			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a replectified in the period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	I36(a). In no event, however, may a reply be timely within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this comm D (35 U.S.C. § 133).	nunication.			
Status						
1) Responsive to communication(s) filed on 14 J	anuary 2004.					
<u> </u>	s action is non-final.					
·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 16-19 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 16-19 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	wn from consideration.					
Application Papers	, , , , , , , , , , , , , , , , , , ,					
9) The specification is objected to by the Examine 10) The drawing(s) filed on <u>02 September 2003</u> is/ Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 11.	are: a) accepted or b) objectoration of the community of accepted or b) objectoration of the drawing(s) is objection is required if the drawing(s) is objection or community.	e 37 CFR 1.85(a). jected to. See 37 CFR	1.121(d).			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in Applicati prity documents have been receive u (PCT Rule 17.2(a)).	on No. <u>09/274,767</u> . ed in this National Sta	age			
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 9/2/03.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	52)			

DETAILED ACTION

Drawings

Figures 2(a)-2(c) and 3(a)-3(b) should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 16-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Tsang (US Pat. No. 4,622,673).

Regarding claim 16, Tsang teaches a method of manufacturing semiconductor light-emitting device comprising the steps of: growing a compound semiconductor epitaxial layer (3, 5, 7) including an active layer (5) on a substrate (1) having a surface having an off-angle to a crystallographic plane of low-degree surface orientation (see fig. 1); forming a protective film (9) having an opening on a surface of the compound semiconductor epitaxial layer (3, 5, 7) (see fig. 1); and selectively growing a ridge-shaped compound semiconductor epitaxial layer (11) to cover the opening (see fig. 1).

Regarding claim 17, Tsang teaches that the compound semiconductor epitaxial layers including an active layer (15) further include a first conductivity type cladding layer (3) and a second conductivity type first cladding layer (7) (see fig. 1 and col. 4, lines 41-42).

Regarding claim 18, Tsang teaches that the ridge-shaped compound semiconductor epitaxial layer (11) includes a second conductivity type second cladding layer (consider the fact that the layer 11 is an epitaxial layer grown from the cladding layer 7 (col. 4, lines 19-20 and 23-26), which has a second conductivity type (i.e. p-type) (col. 4, lines 41-42)).

Regarding claim 19, Tsang teaches that the second conductivity type second cladding layer (11) is grown as to cover a portion of a surface of the protective film (9) (see fig. 1).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Shimoyama et al. (US Pat. No. 6,023,483) discloses the invention in a related application. Shimoyama et al. (US Pat. No. 6,023,483) discloses the limitation of growing a cladding layer (5) in figure 1. Kizuki et al. (US Pat. No. 6,358,316 B1) discloses growing the cladding layer (307) in figure 36(d). And Tanaka et al. (US Pat. No. 5,974,069) discloses growing the cladding layer (7) in figure 1.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to José R Díaz whose telephone number is (571) 272-1727. The examiner can normally be reached on 9:00-5:00 Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (571) 272-1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JRD 4/5/04